



EOG Resources - Midland

Lea County, NM (NAD 83 NME)

Berry 8 State Com

#201H

OH

Plan: Plan #0.1

Standard Planning Report

11 October, 2018

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #201H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3735.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3735.0usft
Site:	Berry 8 State Com	North Reference:	Grid
Well:	#201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Project	Lea County, NM (NAD 83 NME)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Berry 8 State Com				
Site Position:		Northing:	544,775.00 usft	Latitude:	32° 29' 41.264 N
From:	Map	Easting:	802,550.00 usft	Longitude:	103° 29' 10.002 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.46 °

Well	#201H					
Well Position	+N/-S	0.0 usft	Northing:	544,775.00 usft	Latitude:	32° 29' 41.264 N
	+E/-W	0.0 usft	Easting:	802,550.00 usft	Longitude:	103° 29' 10.002 W
Position Uncertainty	0.0 usft	Wellhead Elevation:		Ground Level:	3,710.0 usft	

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	10/10/2018	6.79	60.31	47,969.90674717

Design	Plan #0.1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	2.32	

Plan Survey Tool Program		Date	10/10/2018		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	19,723.3	Plan #0.1 (OH)	MWD	
				OWSG MWD - Standard	

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,339.1	6.78	133.00	3,338.3	-13.7	14.7	2.00	2.00	0.00	133.00	
8,673.8	6.78	133.00	8,635.7	-443.3	475.3	0.00	0.00	0.00	0.00	
9,012.9	0.00	0.00	8,974.0	-457.0	490.0	2.00	-2.00	0.00	180.00	KOP(Berry 8 SC #201
9,912.9	90.00	359.51	9,547.0	115.9	485.1	10.00	10.00	-0.05	359.51	
19,723.3	90.00	359.51	9,547.0	9,926.0	402.0	0.00	0.00	0.00	0.00	PBHL(Berry 8 SC #202



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Site:	Berry 8 State Com	North Reference:	Grid
Well:	#201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	2.00	133.00	3,100.0	-1.2	1.3	-1.1	2.00	2.00	0.00
3,200.0	4.00	133.00	3,199.8	-4.8	5.1	-4.5	2.00	2.00	0.00
3,300.0	6.00	133.00	3,299.5	-10.7	11.5	-10.2	2.00	2.00	0.00
3,339.1	6.78	133.00	3,338.3	-13.7	14.7	-13.1	2.00	2.00	0.00
3,400.0	6.78	133.00	3,398.8	-18.6	19.9	-17.8	0.00	0.00	0.00
3,500.0	6.78	133.00	3,498.1	-26.6	28.6	-25.5	0.00	0.00	0.00
3,600.0	6.78	133.00	3,597.4	-34.7	37.2	-33.2	0.00	0.00	0.00
3,700.0	6.78	133.00	3,696.7	-42.7	45.8	-40.8	0.00	0.00	0.00
3,800.0	6.78	133.00	3,796.0	-50.8	54.5	-48.5	0.00	0.00	0.00
3,900.0	6.78	133.00	3,895.3	-58.8	63.1	-56.2	0.00	0.00	0.00
4,000.0	6.78	133.00	3,994.6	-66.9	71.7	-63.9	0.00	0.00	0.00
4,100.0	6.78	133.00	4,093.9	-75.0	80.4	-71.6	0.00	0.00	0.00
4,200.0	6.78	133.00	4,193.2	-83.0	89.0	-79.3	0.00	0.00	0.00
4,300.0	6.78	133.00	4,292.5	-91.1	97.6	-87.0	0.00	0.00	0.00
4,400.0	6.78	133.00	4,391.8	-99.1	106.3	-94.7	0.00	0.00	0.00
4,500.0	6.78	133.00	4,491.1	-107.2	114.9	-102.4	0.00	0.00	0.00
4,600.0	6.78	133.00	4,590.4	-115.2	123.5	-110.1	0.00	0.00	0.00
4,700.0	6.78	133.00	4,689.7	-123.3	132.2	-117.8	0.00	0.00	0.00
4,800.0	6.78	133.00	4,789.0	-131.3	140.8	-125.5	0.00	0.00	0.00
4,900.0	6.78	133.00	4,888.3	-139.4	149.5	-133.2	0.00	0.00	0.00
5,000.0	6.78	133.00	4,987.6	-147.4	158.1	-140.9	0.00	0.00	0.00
5,100.0	6.78	133.00	5,086.9	-155.5	166.7	-148.6	0.00	0.00	0.00
5,200.0	6.78	133.00	5,186.2	-163.5	175.4	-156.3	0.00	0.00	0.00



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Well:	#201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,300.0	6.78	133.00	5,285.5	-171.6	184.0	-164.0	0.00	0.00	0.00
5,400.0	6.78	133.00	5,384.8	-179.7	192.6	-171.7	0.00	0.00	0.00
5,500.0	6.78	133.00	5,484.1	-187.7	201.3	-179.4	0.00	0.00	0.00
5,600.0	6.78	133.00	5,583.4	-195.8	209.9	-187.1	0.00	0.00	0.00
5,700.0	6.78	133.00	5,682.7	-203.8	218.5	-194.8	0.00	0.00	0.00
5,800.0	6.78	133.00	5,782.0	-211.9	227.2	-202.5	0.00	0.00	0.00
5,900.0	6.78	133.00	5,881.3	-219.9	235.8	-210.2	0.00	0.00	0.00
6,000.0	6.78	133.00	5,980.6	-228.0	244.4	-217.9	0.00	0.00	0.00
6,100.0	6.78	133.00	6,079.9	-236.0	253.1	-225.6	0.00	0.00	0.00
6,200.0	6.78	133.00	6,179.2	-244.1	261.7	-233.3	0.00	0.00	0.00
6,300.0	6.78	133.00	6,278.5	-252.1	270.3	-241.0	0.00	0.00	0.00
6,400.0	6.78	133.00	6,377.8	-260.2	279.0	-248.7	0.00	0.00	0.00
6,500.0	6.78	133.00	6,477.1	-268.3	287.6	-256.4	0.00	0.00	0.00
6,600.0	6.78	133.00	6,576.4	-276.3	296.3	-264.1	0.00	0.00	0.00
6,700.0	6.78	133.00	6,675.7	-284.4	304.9	-271.8	0.00	0.00	0.00
6,800.0	6.78	133.00	6,775.0	-292.4	313.5	-279.5	0.00	0.00	0.00
6,900.0	6.78	133.00	6,874.3	-300.5	322.2	-287.2	0.00	0.00	0.00
7,000.0	6.78	133.00	6,973.6	-308.5	330.8	-294.9	0.00	0.00	0.00
7,100.0	6.78	133.00	7,072.9	-316.6	339.4	-302.6	0.00	0.00	0.00
7,200.0	6.78	133.00	7,172.2	-324.6	348.1	-310.3	0.00	0.00	0.00
7,300.0	6.78	133.00	7,271.5	-332.7	356.7	-318.0	0.00	0.00	0.00
7,400.0	6.78	133.00	7,370.8	-340.7	365.3	-325.7	0.00	0.00	0.00
7,500.0	6.78	133.00	7,470.1	-348.8	374.0	-333.4	0.00	0.00	0.00
7,600.0	6.78	133.00	7,569.4	-356.8	382.6	-341.1	0.00	0.00	0.00
7,700.0	6.78	133.00	7,668.7	-364.9	391.2	-348.8	0.00	0.00	0.00
7,800.0	6.78	133.00	7,768.0	-373.0	399.9	-356.5	0.00	0.00	0.00
7,900.0	6.78	133.00	7,867.3	-381.0	408.5	-364.2	0.00	0.00	0.00
8,000.0	6.78	133.00	7,966.6	-389.1	417.2	-371.9	0.00	0.00	0.00
8,100.0	6.78	133.00	8,065.9	-397.1	425.8	-379.6	0.00	0.00	0.00
8,200.0	6.78	133.00	8,165.2	-405.2	434.4	-387.3	0.00	0.00	0.00
8,300.0	6.78	133.00	8,264.5	-413.2	443.1	-395.0	0.00	0.00	0.00
8,400.0	6.78	133.00	8,363.8	-421.3	451.7	-402.7	0.00	0.00	0.00
8,500.0	6.78	133.00	8,463.1	-429.3	460.3	-410.3	0.00	0.00	0.00
8,600.0	6.78	133.00	8,562.4	-437.4	469.0	-418.0	0.00	0.00	0.00
8,673.8	6.78	133.00	8,635.7	-443.3	475.3	-423.7	0.00	0.00	0.00
8,700.0	6.26	133.00	8,661.7	-445.4	477.5	-425.7	2.00	-2.00	0.00
8,800.0	4.26	133.00	8,761.3	-451.6	484.2	-431.6	2.00	-2.00	0.00
8,900.0	2.26	133.00	8,861.1	-455.5	488.4	-435.3	2.00	-2.00	0.00
9,000.0	0.26	133.00	8,961.1	-457.0	490.0	-436.8	2.00	-2.00	0.00
9,012.9	0.00	0.00	8,974.0	-457.0	490.0	-436.8	2.00	-2.00	0.00
KOP(Berry 8 SC #201H)									
9,050.0	3.71	359.51	9,011.1	-455.8	490.0	-435.6	10.00	10.00	0.00
9,100.0	8.71	359.51	9,060.8	-450.4	489.9	-430.2	10.00	10.00	0.00
9,150.0	13.71	359.51	9,109.8	-440.7	489.9	-420.5	10.00	10.00	0.00
9,200.0	18.71	359.51	9,157.8	-426.7	489.7	-406.6	10.00	10.00	0.00
9,250.0	23.71	359.51	9,204.4	-408.6	489.6	-388.5	10.00	10.00	0.00
9,300.0	28.71	359.51	9,249.2	-386.6	489.4	-366.4	10.00	10.00	0.00
9,350.0	33.71	359.51	9,292.0	-360.7	489.2	-340.6	10.00	10.00	0.00
9,400.0	38.71	359.51	9,332.3	-331.1	488.9	-311.1	10.00	10.00	0.00
9,450.0	43.71	359.51	9,369.9	-298.2	488.7	-278.2	10.00	10.00	0.00
9,494.0	48.11	359.51	9,400.5	-266.6	488.4	-246.6	10.00	10.00	0.00
FTP(Berry 8 SC #201H)									
9,500.0	48.71	359.51	9,404.5	-262.1	488.3	-242.2	10.00	10.00	0.00



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Site:	Berry 8 State Com	North Reference:	Grid
Well:	#201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,550.0	53.71	359.51	9,435.8	-223.2	488.0	-203.2	10.00	10.00	0.00
9,600.0	58.71	359.51	9,463.6	-181.6	487.7	-161.8	10.00	10.00	0.00
9,650.0	63.71	359.51	9,487.7	-137.8	487.3	-118.0	10.00	10.00	0.00
9,700.0	68.71	359.51	9,507.9	-92.1	486.9	-72.3	10.00	10.00	0.00
9,750.0	73.71	359.51	9,524.0	-44.8	486.5	-25.1	10.00	10.00	0.00
9,800.0	78.71	359.51	9,535.9	3.8	486.1	23.4	10.00	10.00	0.00
9,850.0	83.71	359.51	9,543.5	53.2	485.7	72.8	10.00	10.00	0.00
9,900.0	88.71	359.51	9,546.8	103.0	485.3	122.6	10.00	10.00	0.00
9,912.9	90.00	359.51	9,547.0	115.9	485.1	135.5	10.00	10.00	0.00
10,000.0	90.00	359.51	9,547.0	203.0	484.4	222.5	0.00	0.00	0.00
10,100.0	90.00	359.51	9,547.0	303.0	483.6	322.3	0.00	0.00	0.00
10,200.0	90.00	359.51	9,547.0	403.0	482.7	422.2	0.00	0.00	0.00
10,300.0	90.00	359.51	9,547.0	503.0	481.9	522.1	0.00	0.00	0.00
10,400.0	90.00	359.51	9,547.0	603.0	481.0	622.0	0.00	0.00	0.00
10,500.0	90.00	359.51	9,547.0	703.0	480.2	721.9	0.00	0.00	0.00
10,600.0	90.00	359.51	9,547.0	803.0	479.3	821.7	0.00	0.00	0.00
10,700.0	90.00	359.51	9,547.0	903.0	478.5	921.6	0.00	0.00	0.00
10,800.0	90.00	359.51	9,547.0	1,003.0	477.6	1,021.5	0.00	0.00	0.00
10,900.0	90.00	359.51	9,547.0	1,103.0	476.8	1,121.4	0.00	0.00	0.00
11,000.0	90.00	359.51	9,547.0	1,203.0	475.9	1,221.3	0.00	0.00	0.00
11,100.0	90.00	359.51	9,547.0	1,303.0	475.1	1,321.1	0.00	0.00	0.00
11,200.0	90.00	359.51	9,547.0	1,403.0	474.2	1,421.0	0.00	0.00	0.00
11,300.0	90.00	359.51	9,547.0	1,503.0	473.4	1,520.9	0.00	0.00	0.00
11,400.0	90.00	359.51	9,547.0	1,603.0	472.5	1,620.8	0.00	0.00	0.00
11,500.0	90.00	359.51	9,547.0	1,703.0	471.7	1,720.7	0.00	0.00	0.00
11,600.0	90.00	359.51	9,547.0	1,803.0	470.8	1,820.5	0.00	0.00	0.00
11,700.0	90.00	359.51	9,547.0	1,903.0	470.0	1,920.4	0.00	0.00	0.00
11,800.0	90.00	359.51	9,547.0	2,003.0	469.2	2,020.3	0.00	0.00	0.00
11,900.0	90.00	359.51	9,547.0	2,103.0	468.3	2,120.2	0.00	0.00	0.00
12,000.0	90.00	359.51	9,547.0	2,203.0	467.5	2,220.1	0.00	0.00	0.00
12,100.0	90.00	359.51	9,547.0	2,303.0	466.6	2,319.9	0.00	0.00	0.00
12,200.0	90.00	359.51	9,547.0	2,402.9	465.8	2,419.8	0.00	0.00	0.00
12,300.0	90.00	359.51	9,547.0	2,502.9	464.9	2,519.7	0.00	0.00	0.00
12,400.0	90.00	359.51	9,547.0	2,602.9	464.1	2,619.6	0.00	0.00	0.00
12,500.0	90.00	359.51	9,547.0	2,702.9	463.2	2,719.5	0.00	0.00	0.00
12,600.0	90.00	359.51	9,547.0	2,802.9	462.4	2,819.3	0.00	0.00	0.00
12,700.0	90.00	359.51	9,547.0	2,902.9	461.5	2,919.2	0.00	0.00	0.00
12,800.0	90.00	359.51	9,547.0	3,002.9	460.7	3,019.1	0.00	0.00	0.00
12,900.0	90.00	359.51	9,547.0	3,102.9	459.8	3,119.0	0.00	0.00	0.00
13,000.0	90.00	359.51	9,547.0	3,202.9	459.0	3,218.9	0.00	0.00	0.00
13,100.0	90.00	359.51	9,547.0	3,302.9	458.1	3,318.7	0.00	0.00	0.00
13,200.0	90.00	359.51	9,547.0	3,402.9	457.3	3,418.6	0.00	0.00	0.00
13,300.0	90.00	359.51	9,547.0	3,502.9	456.4	3,518.5	0.00	0.00	0.00
13,400.0	90.00	359.51	9,547.0	3,602.9	455.6	3,618.4	0.00	0.00	0.00
13,500.0	90.00	359.51	9,547.0	3,702.9	454.7	3,718.3	0.00	0.00	0.00
13,600.0	90.00	359.51	9,547.0	3,802.9	453.9	3,818.2	0.00	0.00	0.00
13,700.0	90.00	359.51	9,547.0	3,902.9	453.0	3,918.0	0.00	0.00	0.00
13,800.0	90.00	359.51	9,547.0	4,002.9	452.2	4,017.9	0.00	0.00	0.00
13,900.0	90.00	359.51	9,547.0	4,102.9	451.4	4,117.8	0.00	0.00	0.00
14,000.0	90.00	359.51	9,547.0	4,202.9	450.5	4,217.7	0.00	0.00	0.00
14,100.0	90.00	359.51	9,547.0	4,302.9	449.7	4,317.6	0.00	0.00	0.00
14,200.0	90.00	359.51	9,547.0	4,402.9	448.8	4,417.4	0.00	0.00	0.00
14,300.0	90.00	359.51	9,547.0	4,502.9	448.0	4,517.3	0.00	0.00	0.00
14,400.0	90.00	359.51	9,547.0	4,602.9	447.1	4,617.2	0.00	0.00	0.00



Planning Report

Database:	EDM 5000.14	Local Co-ordinate Reference:	Well #201H
Company:	EOG Resources - Midland	TVD Reference:	KB = 25 @ 3735.0usft
Project:	Lea County, NM (NAD 83 NME)	MD Reference:	KB = 25 @ 3735.0usft
Site:	Berry 8 State Com	North Reference:	Grid
Well:	#201H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,500.0	90.00	359.51	9,547.0	4,702.9	446.3	4,717.1	0.00	0.00	0.00
14,600.0	90.00	359.51	9,547.0	4,802.9	445.4	4,817.0	0.00	0.00	0.00
14,700.0	90.00	359.51	9,547.0	4,902.9	444.6	4,916.8	0.00	0.00	0.00
14,800.0	90.00	359.51	9,547.0	5,002.9	443.7	5,016.7	0.00	0.00	0.00
14,900.0	90.00	359.51	9,547.0	5,102.9	442.9	5,116.6	0.00	0.00	0.00
15,000.0	90.00	359.51	9,547.0	5,202.8	442.0	5,216.5	0.00	0.00	0.00
15,100.0	90.00	359.51	9,547.0	5,302.8	441.2	5,316.4	0.00	0.00	0.00
15,200.0	90.00	359.51	9,547.0	5,402.8	440.3	5,416.2	0.00	0.00	0.00
15,300.0	90.00	359.51	9,547.0	5,502.8	439.5	5,516.1	0.00	0.00	0.00
15,400.0	90.00	359.51	9,547.0	5,602.8	438.6	5,616.0	0.00	0.00	0.00
15,500.0	90.00	359.51	9,547.0	5,702.8	437.8	5,715.9	0.00	0.00	0.00
15,600.0	90.00	359.51	9,547.0	5,802.8	436.9	5,815.8	0.00	0.00	0.00
15,700.0	90.00	359.51	9,547.0	5,902.8	436.1	5,915.6	0.00	0.00	0.00
15,800.0	90.00	359.51	9,547.0	6,002.8	435.3	6,015.5	0.00	0.00	0.00
15,900.0	90.00	359.51	9,547.0	6,102.8	434.4	6,115.4	0.00	0.00	0.00
16,000.0	90.00	359.51	9,547.0	6,202.8	433.6	6,215.3	0.00	0.00	0.00
16,100.0	90.00	359.51	9,547.0	6,302.8	432.7	6,315.2	0.00	0.00	0.00
16,200.0	90.00	359.51	9,547.0	6,402.8	431.9	6,415.0	0.00	0.00	0.00
16,300.0	90.00	359.51	9,547.0	6,502.8	431.0	6,514.9	0.00	0.00	0.00
16,400.0	90.00	359.51	9,547.0	6,602.8	430.2	6,614.8	0.00	0.00	0.00
16,500.0	90.00	359.51	9,547.0	6,702.8	429.3	6,714.7	0.00	0.00	0.00
16,600.0	90.00	359.51	9,547.0	6,802.8	428.5	6,814.6	0.00	0.00	0.00
16,700.0	90.00	359.51	9,547.0	6,902.8	427.6	6,914.4	0.00	0.00	0.00
16,800.0	90.00	359.51	9,547.0	7,002.8	426.8	7,014.3	0.00	0.00	0.00
16,900.0	90.00	359.51	9,547.0	7,102.8	425.9	7,114.2	0.00	0.00	0.00
17,000.0	90.00	359.51	9,547.0	7,202.8	425.1	7,214.1	0.00	0.00	0.00
17,100.0	90.00	359.51	9,547.0	7,302.8	424.2	7,314.0	0.00	0.00	0.00
17,200.0	90.00	359.51	9,547.0	7,402.8	423.4	7,413.8	0.00	0.00	0.00
17,300.0	90.00	359.51	9,547.0	7,502.8	422.5	7,513.7	0.00	0.00	0.00
17,400.0	90.00	359.51	9,547.0	7,602.8	421.7	7,613.6	0.00	0.00	0.00
17,500.0	90.00	359.51	9,547.0	7,702.8	420.8	7,713.5	0.00	0.00	0.00
17,600.0	90.00	359.51	9,547.0	7,802.8	420.0	7,813.4	0.00	0.00	0.00
17,700.0	90.00	359.51	9,547.0	7,902.8	419.1	7,913.2	0.00	0.00	0.00
17,800.0	90.00	359.51	9,547.0	8,002.7	418.3	8,013.1	0.00	0.00	0.00
17,900.0	90.00	359.51	9,547.0	8,102.7	417.5	8,113.0	0.00	0.00	0.00
18,000.0	90.00	359.51	9,547.0	8,202.7	416.6	8,212.9	0.00	0.00	0.00
18,100.0	90.00	359.51	9,547.0	8,302.7	415.8	8,312.8	0.00	0.00	0.00
18,200.0	90.00	359.51	9,547.0	8,402.7	414.9	8,412.6	0.00	0.00	0.00
18,300.0	90.00	359.51	9,547.0	8,502.7	414.1	8,512.5	0.00	0.00	0.00
18,400.0	90.00	359.51	9,547.0	8,602.7	413.2	8,612.4	0.00	0.00	0.00
18,500.0	90.00	359.51	9,547.0	8,702.7	412.4	8,712.3	0.00	0.00	0.00
18,600.0	90.00	359.51	9,547.0	8,802.7	411.5	8,812.2	0.00	0.00	0.00
18,700.0	90.00	359.51	9,547.0	8,902.7	410.7	8,912.0	0.00	0.00	0.00
18,800.0	90.00	359.51	9,547.0	9,002.7	409.8	9,011.9	0.00	0.00	0.00
18,900.0	90.00	359.51	9,547.0	9,102.7	409.0	9,111.8	0.00	0.00	0.00
19,000.0	90.00	359.51	9,547.0	9,202.7	408.1	9,211.7	0.00	0.00	0.00
19,100.0	90.00	359.51	9,547.0	9,302.7	407.3	9,311.6	0.00	0.00	0.00
19,200.0	90.00	359.51	9,547.0	9,402.7	406.4	9,411.4	0.00	0.00	0.00
19,300.0	90.00	359.51	9,547.0	9,502.7	405.6	9,511.3	0.00	0.00	0.00
19,400.0	90.00	359.51	9,547.0	9,602.7	404.7	9,611.2	0.00	0.00	0.00
19,500.0	90.00	359.51	9,547.0	9,702.7	403.9	9,711.1	0.00	0.00	0.00
19,600.0	90.00	359.51	9,547.0	9,802.7	403.0	9,811.0	0.00	0.00	0.00
19,700.0	90.00	359.51	9,547.0	9,902.7	402.2	9,910.8	0.00	0.00	0.00
19,723.3	90.00	359.51	9,547.0	9,926.0	402.0	9,934.1	0.00	0.00	0.00



Planning Report

Database: EDM 5000.14
Company: EOG Resources - Midland
Project: Lea County, NM (NAD 83 NME)
Site: Berry 8 State Com
Well: #201H
Wellbore: OH
Design: Plan #0.1

Local Co-ordinate Reference: Well #201H
TVD Reference: KB = 25 @ 3735.0usft
MD Reference: KB = 25 @ 3735.0usft
North Reference: Grid
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
PBHL(Berry 8 SC #201H)									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
KOP(Berry 8 SC #201H) - plan hits target center - Point	0.00	0.00	8,974.0	-457.0	490.0	544,318.00	803,040.00	32° 29' 36.704 N	103° 29' 4.324 W
PBHL(Berry 8 SC #201H) - plan hits target center - Point	0.00	0.00	9,547.0	9,926.0	402.0	554,701.00	802,952.00	32° 31' 19.446 N	103° 29' 4.386 W
FTP(Berry 8 SC #201H) - plan misses target center by 202.9usft at 9494.0usft MD (9400.5 TVD, -266.6 N, 488.4 E) - Point	0.00	0.00	9,547.0	-407.0	490.0	544,368.00	803,040.00	32° 29' 37.199 N	103° 29' 4.319 W

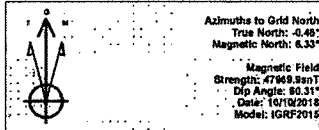
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OCT 12 2018
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Lea County, NM (NAD 83 NME)

Berry 8 State Com #201H

Plan #0.1



To convert a Magnetic Direction to a Grid Direction, Add 6.34°
To convert a Magnetic Direction to a True Direction, Add 6.79° East
To convert a True Direction to a Grid Direction, Subtract 6.45°

PROJECT DETAILS: Lea County, NM (NAD 83 NME)

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

WELL DETAILS: #201H

KB = 25 @ 3735.0usft 3710.0
Northing 544775.00 Easting 802550.00 Latitude 32° 29' 41.294 N Longitude 102° 29' 10.002 W

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dlog	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	3000.0	0.00	0.00	3000.0	0.0	0.0	0.00	0.00	0.0	
3	3339.1	6.78	133.00	3338.3	-13.7	14.7	2.00	133.00	-13.1	
4	8673.8	6.78	133.00	8635.7	-443.3	475.3	0.00	0.00	-423.7	
5	9012.9	0.00	0.00	8974.0	-457.0	490.0	2.00	180.00	-438.8	KOP(Berry 8 SC #201H)
6	9912.9	90.00	359.51	9547.0	115.9	485.1	10.00	359.51	135.5	PBHL(Berry 8 SC #201H)
7	19723.3	90.00	359.51	9547.0	9926.0	402.0	0.00	0.00	9934.1	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

Name	TVD	+N-S	+E-W	Northing	Easting
KOP(Berry 8 SC #201H)	8974.0	-457.0	490.0	544318.00	803040.00
PTN(Berry 8 SC #201H)	9547.0	-407.0	490.0	544368.00	803040.00
PBHL(Berry 8 SC #201H)	9547.0	9926.0	402.0	544701.00	802982.00

